

# Aron Teh

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I taught myself to code as a complete beginner and secured a full time software engineer position in less than 4 months. Experienced and confident in full-stack web development, with recent interest in machine learning.

## Professional Experience

### Amazon

Nov 2022 – present | United Kingdom

#### Software Development Engineer

- Delivered a high priority, time-constrained project spanning multiple teams across the Living Room Platform organisation, facilitating a Prime Video launch in 8 new countries and expected to acquire several million new Prime customers.
- Communicated, mitigated and resolved multiple high severity incidents and alerts during regular on-call rotations.
- Onboarded and welcomed two new engineers during eighth week of tenure in absence of experienced team members.
- Developed efficient, scalable and robustly-tested API features with complex expectations and dependencies.
- Contributed to development of a universally compatible backend framework for current and future Living Room teams.

### THG

Sep 2021 – Oct 2022 | United Kingdom

#### Software Engineer

- Developed and maintained an Angular component library and Java backend to be used by multiple internal teams.
- Collaborated effectively with UX designers to build Angular UIs for an internal content management system.

## Programming Languages

HTML | CSS (Sass, Less) | JavaScript | Typescript | Python | SQL | Java | MATLAB | Dart | Rust | R

## Skills and Technologies

React (v18) | Next.js (v13) | Angular | Firebase (v9) | Git | Tailwind | npm | Yarn | webpack | REST  
Testing (Unit, Integrated, E2E) | Jest | Cypress | Puppeteer | Axios | RxJS | AWS | Continuous Integration  
Continuous Deployment | Bash | Docker | Kubernetes | Scrum | Kanban | Flask | GraphQL | Flutter  
Vue | Svelte | Gradle | Spring | Lerna | Vercel | PyTorch | Project Planning | Mathematics | Statistics

## Technical Personal Projects

### SkyStory

Angular, Firebase (Firestore, Authentication, Hosting), Tailwind, Angular Material, Axios, RxJS, REST API, PWA

- Dynamically themed and responsive progressive web application (PWA) where users can query live and forecasted weather information, utilising a third-party REST API service to retrieve global weather data.
- Integrated Firebase authentication and Firestore database automatically saves queries for authenticated users.

### NanoNote

Angular, Firebase (Firestore, Authentication, Hosting), Tailwind, Angular Material

- Lightweight and responsive web application for managing simple notes, secured with Firebase authentication.
- Users can create, manage, update, sort and categorise unlimited notes in an intuitive, minimalistic and dual-themed UI.

### TurboFile

React (Next.js), Firebase (Storage, Authentication), Tailwind, Material UI, Jest, Puppeteer, Vercel Hosting

- Responsive and multi-themed web application where users can upload and share files within seconds.
- Additional features to view, download and manage uploaded files are unlocked for users authenticated with Google.

## Education

### Imperial College London

2017 – 2021 | London, United Kingdom

Aeronautical Engineering (MEng, Master of Engineering)

Master's Thesis : Sparse conic optimisation parallel solver with the Alternating Direction Method of Multipliers.

Notable Modules: High Performance Computing, Mathematics, Numerical Analysis, Optimisation, Control Systems.

## Languages

English (Native Proficiency) | Chinese (Native Proficiency) | Cantonese (Beginner)

## Interests

Chess  (Youngest ever Malaysia National Chess Champion (2013), FIDE Master (Lifetime International Title), World Chess Olympiad Participant (Norway 2014), President of Imperial College London Chess Club (2018-2019), Private Teacher)

Machine Learning  | Sports (Swimming, Table Tennis, Badminton) | Music